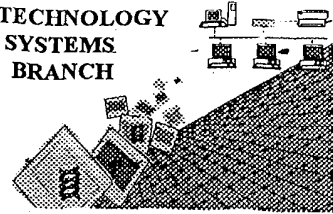


## RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/675,072  
Source: oip  
Date Processed by STIC: 10-10-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/2003):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/2003



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/675,072

DATE: 10/10/2003

TIME: 14:43:39

Input Set : A:\1288R SEQLIST.TXT

Output Set: N:\CRF4\10102003\J675072.raw

**Does Not Comply  
Corrected Diskette Needed**

4 <110> APPLICANT: Yumin, Tao  
 5 Gordon-Kamm, William  
 6 Shen, Bo  
 7 Lowe, Keith  
 8 Danilevskaya, Olga  
 9 Mahajan, Pramod  
 10 Rafalski, Jan Antoni  
 11 Sakai, Hajime  
 12 Klein, Theodore  
 15 <120> TITLE OF INVENTION: Transcriptional Regulatory Nucleic  
 16 Acids, Polypeptides, and Methods of Use Thereof  
 19 <130> FILE REFERENCE: 1288R  
 C--> 21 <140> CURRENT APPLICATION NUMBER: US/10/675,072  
 C--> 21 <141> CURRENT FILING DATE: 2003-09-30  
 21 <150> PRIOR APPLICATION NUMBER: 10/005,057  
 22 <151> PRIOR FILING DATE: 2001-12-04  
 24 <150> PRIOR APPLICATION NUMBER: 60/251,555  
 25 <151> PRIOR FILING DATE: 2000-12-06  
 27 <160> NUMBER OF SEQ ID NOS: 43  
 29 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 31 <210> SEQ ID NO: 1  
 32 <211> LENGTH: 1874  
 33 <212> TYPE: DNA  
 34 <213> ORGANISM: Zea mays  
 36 <220> FEATURE:  
 37 <221> NAME/KEY: CDS  
 38 <222> LOCATION: (3)...(1655)  
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 42 Glu Asn Asp Glu Ser Arg Gln Ile His Tyr Asp Glu Ala Ala Ile  
 43 1 5 10 15  
 45 gag agg ttg tta gac cgt gat caa gtt gac ggt gat gaa tct gtg gaa 95  
 46 Glu Arg Leu Leu Asp Arg Asp Gln Val Asp Gly Asp Glu Ser Val Glu  
 47 20 25 30  
 49 gat gaa gaa gaa gat gga ttc tta aaa gga ttc aag gtt gca aac ttt 143  
 50 Asp Glu Glu Glu Asp Gly Phe Leu Lys Gly Phe Lys Val Ala Asn Phe  
 51 35 40 45  
 53 gaa tat atc gat gag gca aag gct cag gca gaa aaa gag gag gca cgg 191  
 54 Glu Tyr Ile Asp Glu Ala Lys Ala Gln Ala Glu Lys Glu Glu Ala Arg  
 55 50 55 60  
 57 aga aag gct gca gct gag gct gaa aat tct gaa aga aac tac tgg gat 239  
 58 Arg Lys Ala Ala Ala Glu Ala Glu Asn Ser Glu Arg Asn Tyr Trp Asp  
 59 65 70 75

P. 5-6

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/675,072

DATE: 10/10/2003

TIME: 14:43:39

Input Set : A:\1288R SEQLIST.TXT

Output Set: N:\CRF4\10102003\J675072.raw

|     |   |      |
|-----|---|------|
| 61  | gaa cta ttg aag gat aga tat gat gta cag aaa gtt gaa gaa cat act | 287  |
| 62  | Glu Leu Leu Lys Asp Arg Tyr Asp Val Gln Lys Val Glu Glu His Thr |      |
| 63  | 80 85 90 95   |      |
| 65  | gct atg gga aaa ggg aaa aga agc cgc aaa cag atg gct gcc gct gat | 335  |
| 66  | Ala Met Gly Lys Gly Lys Arg Ser Arg Lys Gln Met Ala Ala Asp     |      |
| 67  | 100 105 110   |      |
| 69  | gaa gat gac att cat gat tta agt tcc gaa gat gag gat tac tca ttg | 383  |
| 70  | Glu Asp Asp Ile His Asp Leu Ser Ser Glu Asp Glu Asp Tyr Ser Leu |      |
| 71  | 115 120 125   |      |
| 73  | gag gat gac att tca gat aat gac aca agt ttg caa gga aat att tct | 431  |
| 74  | Glu Asp Asp Ile Ser Asp Asn Asp Thr Ser Leu Gln Gly Asn Ile Ser |      |
| 75  | 130 135 140   |      |
| 77  | ggg aag agg gga caa tat tct aag aga aaa tca cgt aat gtt gat tct | 479  |
| 78  | Gly Lys Arg Gly Gln Tyr Ser Lys Arg Lys Ser Arg Asn Val Asp Ser |      |
| 79  | 145 150 155   |      |
| 81  | att cca ttg atg gag ggc gaa gga cgt acc ttg aga gtt ctt gga ttc | 527  |
| 82  | Ile Pro Leu Met Glu Gly Glu Gly Arg Thr Leu Arg Val Leu Gly Phe |      |
| 83  | 160 165 170 175   |      |
| 85  | aac cat gct caa cga gca atg ttc cta cag aca ctc aat aga ttc ggt | 575  |
| 86  | Asn His Ala Gln Arg Ala Met Phe Leu Gln Thr Leu Asn Arg Phe Gly |      |
| 87  | 180 185 190   |      |
| 89  | ttt cag aat tat gac tgg aaa gag tat ctt cct cgt ctt aaa gga aaa | 623  |
| 90  | Phe Gln Asn Tyr Asp Trp Lys Glu Tyr Leu Pro Arg Leu Lys Gly Lys |      |
| 91  | 195 200 205   |      |
| 93  | agt gtc gag gaa atc cag aga tat gct gaa ctt gtc atg gca cat ctt | 671  |
| 94  | Ser Val Glu Glu Ile Gln Arg Tyr Ala Glu Leu Val Met Ala His Leu |      |
| 95  | 210 215 220   |      |
| 97  | gtt gaa gaa att aat gat tct gac tat ttt tca gat ggc gtt cca aag | 719  |
| 98  | Val Glu Glu Ile Asn Asp Ser Asp Tyr Phe Ser Asp Gly Val Pro Lys |      |
| 99  | 225 230 235   |      |
| 101 | gaa atg atg cgt gtt gat gat gta cta gtc agg ata gca aac ata tcc | 767  |
| 102 | Glu Met Met Arg Val Asp Asp Val Leu Val Arg Ile Ala Asn Ile Ser |      |
| 103 | 240 245 250 255   |      |
| 105 | ctt atc gag gag aag atg gct gcc aca gga cca gga aaa att aca aac | 815  |
| 106 | Leu Ile Glu Glu Lys Met Ala Ala Thr Gly Pro Gly Lys Ile Thr Asn |      |
| 107 | 260 265 270   |      |
| 109 | att ttt cct aat tac ttg ctc tat gag ttc caa ggc tta tct ggt gga | 863  |
| 110 | Ile Phe Pro Asn Tyr Leu Leu Tyr Glu Phe Gln Gly Leu Ser Gly Gly |      |
| 111 | 275 280 285   |      |
| 113 | aga ata tgg aaa gcg gag cat gat cta ctg tta ctg aga ggc ata ctg | 911  |
| 114 | Arg Ile Trp Lys Ala Glu His Asp Leu Leu Leu Leu Arg Gly Ile Leu |      |
| 115 | 290 295 300   |      |
| 117 | aag cat gga tat gca agg tgg cag tat ata tca gat gac aga gag aat | 959  |
| 118 | Lys His Gly Tyr Ala Arg Trp Gln Tyr Ile Ser Asp Asp Arg Glu Asn |      |
| 119 | 305 310 315   |      |
| 121 | ggg ctt ttt gag gct gca cga cga gag ctg cat ctc cct tcg gtt aat | 1007 |
| 122 | Gly Leu Phe Glu Ala Ala Arg Arg Glu Leu His Leu Pro Ser Val Asn |      |
| 123 | 320 325 330 335   |      |
| 125 | gaa ata att ggt gct cag ttg aac gag gca aat ggg aat ttg gaa ggt | 1055 |

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/675,072

DATE: 10/10/2003

TIME: 14:43:39

Input Set : A:\1288R SEQLIST.TXT

Output Set: N:\CRF4\10102003\J675072.raw

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126 Glu Ile Ile Gly Ala Gln Leu Asn Glu Ala Asn Gly Asn Leu Glu Gly
127          340          345          350
129 gca cag gaa ggc caa gcg aac aca aca agc atg tcg cat tac aag gag 1103
130 Ala Gln Glu Gly Gln Ala Asn Thr Thr Ser Met Ser His Tyr Lys Glu
131          355          360          365
133 atc cag aga aag ata gtt gag ttc ttg aga aag aga tat cat ctt atg 1151
134 Ile Gln Arg Lys Ile Val Glu Phe Leu Arg Lys Arg Tyr His Leu Met
135          370          375          380
137 gag aga gcc ttg aat ctg gaa tat gct gtg ata aag aaa aaa att cct 1199
138 Glu Arg Ala Leu Asn Leu Glu Tyr Ala Val Ile Lys Lys Lys Ile Pro
139          385          390          395
141 gtt cct gat gat att act gaa caa ggt gtt cca gca gga cat gct ccg 1247
142 Val Pro Asp Asp Ile Thr Glu Gln Gly Val Pro Ala Gly His Ala Pro
143 400          405          410          415
145 ctt att cca gat atc agt gaa ctg ttg cgg gaa ttg ccc aat ctt gag 1295
146 Leu Ile Pro Asp Ile Ser Glu Leu Leu Arg Glu Leu Pro Asn Leu Glu
147          420          425          430
149 cca att tct acc aat gaa ttg att tct gag ggc aca gct ggt cag tta 1343
150 Pro Ile Ser Thr Asn Glu Leu Ile Ser Glu Gly Thr Ala Gly Gln Leu
151          435          440          445
153 caa gtt ccc cat ctc tac aat aag atg tgt gga gtg ctt gaa gag agt 1391
154 Gln Val Pro His Leu Tyr Asn Lys Met Cys Gly Val Leu Glu Glu Ser
155          450          455          460
157 ggt gct tat gcg ctc agt tcc ttc ttt gga gac aag tcc gca tct tct 1439
158 Gly Ala Tyr Ala Leu Ser Ser Phe Phe Gly Asp Lys Ser Ala Ser Ser
159          465          470          475
161 act ttg gcc aat agc ctt cga cag ttt gaa act gtg tgt gag aat gtc 1487
162 Thr Leu Ala Asn Ser Leu Arg Gln Phe Glu Thr Val Cys Glu Asn Val
163 480          485          490          495
165 gtc gag gcc tta cga cac caa aat ggt act gcc agt gcc atc aaa 1535
166 Val Glu Ala Leu Arg Pro His Gln Asn Gly Thr Ala Ser Ala Ile Lys
167          500          505          510
169 gag gaa ttg gta gat gca gcc acc aaa gca gca gca gca gca gct cct 1583
170 Glu Glu Leu Val Asp Ala Ala Thr Lys Ala Ala Ala Ala Ala Ala Pro
171          515          520          525
173 caa caa gat tca ggc cat gat gca ccg cat ggg cag tct tcg aca gcc 1631
174 Gln Gln Asp Ser Gly His Asp Ala Pro His Gly Gln Ser Ser Thr Ala
175          530          535          540
177 aag gcg gac atg gaa atc gat ggt tgatttgtag gttccagagt ggcaagaaag 1685
178 Lys Ala Asp Met Glu Ile Asp Gly
179          545          550
181 ggaatcccct ctaatcatta tgtatactgt ggtcagaatg tccgctatat attgtaacat 1745
182 caaagaaagc acctccaggc ctgagggtgt tactgctaata gcgtttgggt tacttgctct 1805
183 tgtaatatgc atacacattt agaactcatg cagccattgt gtgaaaaaaaa aaaaaaaaaa 1865
184 aaaaaaaaaa 1874
186 <210> SEQ ID NO: 2
187 <211> LENGTH: 551
188 <212> TYPE: PRT
189 <213> ORGANISM: Zea mays

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/675,072

DATE: 10/10/2003

TIME: 14:43:39

Input Set : A:\1288R SEQLIST.TXT

Output Set: N:\CRF4\10102003\J675072.raw

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191 <400> SEQUENCE: 2
192 Glu Asn Asp Glu Ser Arg Gln Ile His Tyr Asp Glu Ala Ala Ile Glu
193 1 5 10 15
194 Arg Leu Leu Asp Arg Asp Gln Val Asp Gly Asp Glu Ser Val Glu Asp
195 20 25 30
196 Glu Glu Glu Asp Gly Phe Leu Lys Gly Phe Lys Val Ala Asn Phe Glu
197 35 40 45
198 Tyr Ile Asp Glu Ala Lys Ala Gln Ala Glu Lys Glu Glu Ala Arg Arg
199 50 55 60
200 Lys Ala Ala Ala Glu Ala Glu Asn Ser Glu Arg Asn Tyr Trp Asp Glu
201 65 70 75 80
202 Leu Leu Lys Asp Arg Tyr Asp Val Gln Lys Val Glu Glu His Thr Ala
203 85 90 95
204 Met Gly Lys Gly Lys Arg Ser Arg Lys Gln Met Ala Ala Ala Asp Glu
205 100 105 110
206 Asp Asp Ile His Asp Leu Ser Ser Glu Asp Glu Asp Tyr Ser Leu Glu
207 115 120 125
208 Asp Asp Ile Ser Asp Asn Asp Thr Ser Leu Gln Gly Asn Ile Ser Gly
209 130 135 140
210 Lys Arg Gly Gln Tyr Ser Lys Arg Lys Ser Arg Asn Val Asp Ser Ile
211 145 150 155 160
212 Pro Leu Met Glu Gly Glu Gly Arg Thr Leu Arg Val Leu Gly Phe Asn
213 165 170 175
214 His Ala Gln Arg Ala Met Phe Leu Gln Thr Leu Asn Arg Phe Gly Phe
215 180 185 190
216 Gln Asn Tyr Asp Trp Lys Glu Tyr Leu Pro Arg Leu Lys Gly Lys Ser
217 195 200 205
218 Val Glu Glu Ile Gln Arg Tyr Ala Glu Leu Val Met Ala His Leu Val
219 210 215 220
220 Glu Glu Ile Asn Asp Ser Asp Tyr Phe Ser Asp Gly Val Pro Lys Glu
221 225 230 235 240
222 Met Met Arg Val Asp Asp Val Leu Val Arg Ile Ala Asn Ile Ser Leu
223 245 250 255
224 Ile Glu Glu Lys Met Ala Ala Thr Gly Pro Gly Lys Ile Thr Asn Ile
225 260 265 270
226 Phe Pro Asn Tyr Leu Leu Tyr Glu Phe Gln Gly Leu Ser Gly Gly Arg
227 275 280 285
228 Ile Trp Lys Ala Glu His Asp Leu Leu Leu Leu Arg Gly Ile Leu Lys
229 290 295 300
230 His Gly Tyr Ala Arg Trp Gln Tyr Ile Ser Asp Asp Arg Glu Asn Gly
231 305 310 315 320
232 Leu Phe Glu Ala Ala Arg Arg Glu Leu His Leu Pro Ser Val Asn Glu
233 325 330 335
234 Ile Ile Gly Ala Gln Leu Asn Glu Ala Asn Gly Asn Leu Glu Gly Ala
235 340 345 350
236 Gln Glu Gly Gln Ala Asn Thr Thr Ser Met Ser His Tyr Lys Glu Ile
237 355 360 365
238 Gln Arg Lys Ile Val Glu Phe Leu Arg Lys Arg Tyr His Leu Met Glu
239 370 375 380

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/675,072

DATE: 10/10/2003

TIME: 14:43:39

Input Set : A:\1288R SEQLIST.TXT

Output Set: N:\CRF4\10102003\J675072.raw

```

240 Arg Ala Leu Asn Leu Glu Tyr Ala Val Ile Lys Lys Lys Ile Pro Val
241 385                               390                   395                   400
242 Pro Asp Asp Ile Thr Glu Gln Gly Val Pro Ala Gly His Ala Pro Leu
243                               405                   410                   415
244 Ile Pro Asp Ile Ser Glu Leu Leu Arg Glu Leu Pro Asn Leu Glu Pro
245                               420                   425                   430
246 Ile Ser Thr Asn Glu Leu Ile Ser Glu Gly Thr Ala Gly Gln Leu Gln
247                               435                   440                   445
248 Val Pro His Leu Tyr Asn Lys Met Cys Gly Val Leu Glu Glu Ser Gly
249                               450                   455                   460
250 Ala Tyr Ala Leu Ser Ser Phe Phe Gly Asp Lys Ser Ala Ser Ser Thr
251 465                               470                   475                   480
252 Leu Ala Asn Ser Leu Arg Gln Phe Glu Thr Val Cys Glu Asn Val Val
253                               485                   490                   495
254 Glu Ala Leu Arg Pro His Gln Asn Gly Thr Ala Ser Ala Ile Lys Glu
255                               500                   505                   510
256 Glu Leu Val Asp Ala Ala Thr Lys Ala Ala Ala Ala Ala Ala Pro Gln
257                               515                   520                   525
258 Gln Asp Ser Gly His Asp Ala Pro His Gly Gln Ser Ser Thr Ala Lys
259                               530                   535                   540
260 Ala Asp Met Glu Ile Asp Gly
261 545                               550

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263 &lt;210&gt; SEQ ID NO: 3

264 &lt;211&gt; LENGTH: 21

265 &lt;212&gt; TYPE: DNA

266 &lt;213&gt; ORGANISM: Artificial Sequence

268 &lt;220&gt; FEATURE:

269 &lt;221&gt; NAME/KEY: primer\_bind

270 &lt;222&gt; LOCATION: (1)...(21)

W--&gt; 272 &lt;223&gt; OTHER INFORMATION:

W--&gt; 272 &lt;400&gt; 3

273 acgagaatga tgaatctcgc c

21

275 &lt;210&gt; SEQ ID NO: 4

276 &lt;211&gt; LENGTH: 23

277 &lt;212&gt; TYPE: DNA

278 &lt;213&gt; ORGANISM: Artificial Sequence

280 &lt;220&gt; FEATURE:

281 &lt;221&gt; NAME/KEY: primer\_bind

282 &lt;222&gt; LOCATION: (1)...(23)

W--&gt; 284 &lt;223&gt; OTHER INFORMATION:

W--&gt; 284 &lt;400&gt; 4

285 tcaaccatcg atttccatgt ccg

23

287 &lt;210&gt; SEQ ID NO: 5

288 &lt;211&gt; LENGTH: 941

289 &lt;212&gt; TYPE: DNA

290 &lt;213&gt; ORGANISM: Zea mays

292 &lt;220&gt; FEATURE:

293 &lt;221&gt; NAME/KEY: CDS

294 &lt;222&gt; LOCATION: (48)...(938)

The type of errors shown exist throughout  
the Sequence Listing. Please check subsequent  
sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/675,072

DATE: 10/10/2003  
TIME: 14:43:40

Input Set : A:\1288R SEQLIST.TXT  
Output Set: N:\CRF4\10102003\J675072.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; N Pos. 429,1443  
Seq#:13; Xaa Pos. 143,481  
Seq#:14; Xaa Pos. 143,481  
Seq#:17; N Pos. 260  
Seq#:17; Xaa Pos. 87  
Seq#:18; Xaa Pos. 87  
Seq#:21; N Pos. 3,25,27,114  
Seq#:21; Xaa Pos. 7,8,37  
Seq#:22; Xaa Pos. 7,8,37  
Seq#:25; N Pos. 8,10,15,31,48,62,79,181,194  
Seq#:29; N Pos. 463,510  
Seq#:29; Xaa Pos. 155,170  
Seq#:30; Xaa Pos. 153,167  
Seq#:37; N Pos. 543,566,568,575,597,608,621,647,657,659,667  
Seq#:37; Xaa Pos. 181,189,192,199,203,207,216,219,220,222  
Seq#:38; Xaa Pos. 176,183,186,192,196,200,209,211,212,214  
Seq#:41; N Pos. 11757,11808,11859

Use of <220> Feature (NEW RULES) :

Sequence(s) are missing the <220> Feature and associated headings.  
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:3,4,7,8,11,12,15,16,19,20,23,24,27,28,31,32,35,36,39,40

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/675,072

DATE: 10/10/2003

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Input Set : A:\1288R SEQLIST.TXT

Output Set: N:\CRF4\10102003\J675072.raw

L:21 M:270 C: Current Application Number differs, Replaced Current Application No  
 L:21 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
 L:272 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>  
 ORGANISM:Artificial Sequence  
 L:272 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:272  
 L:284 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213>  
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 L:284 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:284  
 L:437 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213>  
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 L:437 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:437  
 L:449 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:8, <213>  
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 L:449 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:449  
 L:719 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>  
 ORGANISM:Artificial Sequence  
 L:719 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:719  
 L:731 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>  
 ORGANISM:Artificial Sequence  
 L:731 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:731  
 L:747 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
 L:780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:383  
 M:341 Repeated in SeqNo=13  
 L:900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:128  
 M:341 Repeated in SeqNo=14  
 L:956 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213>  
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 L:968 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>  
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 L:984 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17  
 L:1005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:241  
 M:341 Repeated in SeqNo=17  
 L:1147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:80  
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 L:1229 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:20, <213>  
 ORGANISM:Artificial Sequence  
 L:1229 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:20,Line#:1229  
 L:1245 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
 L:1246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
 M:341 Repeated in SeqNo=21  
 L:1302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
 M:341 Repeated in SeqNo=22  
 L:1334 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:23, <213>  
 ORGANISM:Artificial Sequence  
 L:1334 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:23,Line#:1334  
 L:1346 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:24, <213>  
 ORGANISM:Artificial Sequence  
 L:1346 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:24,Line#:1346  
 L:1362 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25



L:1363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
M:341 Repeated in SeqNo=25  
L:1416 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:27, <213>  
ORGANISM:Artificial Sequence  
L:1416 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:27,Line#:1416  
L:1428 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:28, <213>  
ORGANISM:Artificial Sequence  
L:1428 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:28,Line#:1428  
L:1444 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:29

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/675,072

DATE: 10/10/2003

TIME: 14:43:40

Input Set : A:\1288R SEQLIST.TXT

Output Set: N:\CRF4\10102003\J675072.raw

L:1481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:432  
M:341 Repeated in SeqNo=29  
L:1519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:144  
M:341 Repeated in SeqNo=30  
L:1533 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:31, <213>  
ORGANISM:Artificial Sequence  
L:1533 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:31,Line#:1533  
L:1545 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:32, <213>  
ORGANISM:Artificial Sequence  
L:1545 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:32,Line#:1545  
L:1641 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:35, <213>  
ORGANISM:Artificial Sequence  
L:1641 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:35,Line#:1641  
L:1653 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:36, <213>  
ORGANISM:Artificial Sequence  
L:1653 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:36,Line#:1653  
L:1669 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:37  
L:1714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:529  
M:341 Repeated in SeqNo=37  
L:1758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:160  
M:341 Repeated in SeqNo=38  
L:1776 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:39, <213>  
ORGANISM:Artificial Sequence  
L:1776 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:39,Line#:1776  
L:1788 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:40, <213>  
ORGANISM:Artificial Sequence  
L:1788 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:40,Line#:1788  
L:1805 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:41  
L:2001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:11700  
M:341 Repeated in SeqNo=41